

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\U071624\
 Data File : U059978.D
 Acq On : 16 Jul 2024 16:45
 Operator : MD/SY
 Sample : P3217-19 10X
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :

Quant Time: Jul 17 02:31:54 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR061724WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Jul 17 02:25:31 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.248	114	191461	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.415	117	190273	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.810	152	106907	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.595	65	54947	4.127	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	82.600%
7) Chloroethane-d5	1.907	69	45089	3.520	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	70.400%
11) 1,1-Dichloroethene-d2	2.557	65	21355	3.866	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	77.400%
20) 2-Butanone-d5	4.631	46	138255	50.415	ug/L	0.01
Spiked Amount	50.000	Range	40 - 130	Recovery	=	100.820%
24) Chloroform-d	5.058	84	100394	3.674	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	73.400%
26) 1,2-Dichloroethane-d4	5.701	65	53033	4.029	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	80.600%
32) Benzene-d6	5.724	84	203628	3.889	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	77.800%
36) 1,2-Dichloropropane-d6	6.688	67	65755	4.098	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	82.000%
41) Toluene-d8	7.894	98	177200	3.640	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	72.800%
43) trans-1,3-Dichloroprop...	8.180	79	22567	4.491	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	89.800%
46) 2-Hexanone-d5	8.630	63	114571	54.878	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	109.760%
56) 1,1,2,2-Tetrachloroeth...	10.756	84	55223	4.165	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	83.400%
66) 1,2-Dichlorobenzene-d4	12.193	152	77692	4.083	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	81.600%
Target Compounds						
					Qvalue	
5) Vinyl chloride	1.599	62	507495	26.311	ug/L	97
12) 1,1-Dichloroethene	2.570	96	13600	1.002	ug/L #	31
16) Methylene chloride	3.039	84	8135	0.506	ug/L	89
17) Methyl tert-butyl Ether	3.367	73	2697	0.092	ug/L #	88
18) trans-1,2-Dichloroethene	3.348	96	7398	0.524	ug/L	93
22) cis-1,2-Dichloroethene	4.660	96	1963748	126.157	ug/L	95
33) Benzene	5.772	78	38320	0.663	ug/L	100
35) Methylcyclohexane	6.759	83	2481	0.111	ug/L #	85
37) 1,2-Dichloropropane	6.688	63	7273	0.486	ug/L #	90
42) Toluene	7.965	91	2093150	34.216	ug/L	100
51) Chlorobenzene	9.447	112	13520	0.348	ug/L	97
52) Ethylbenzene	9.569	91	180220	2.872	ug/L	96
53) m,p-Xylene	9.692	106	274139	11.375	ug/L	97
54) o-Xylene	10.097	106	213450	9.332	ug/L	96
55) Styrene	10.100	104	12944	0.332	ug/L #	1
57) 1,1,2,2-Tetrachloroethane	10.807	83	1872	0.140	ug/L #	25
60) Isopropylbenzene	10.483	105	43760	0.663	ug/L	98
62) 1,3,5-Trimethylbenzene	11.087	105	257095	4.914	ug/L	99
63) 1,2,4-Trimethylbenzene	11.466	105	809205	16.178	ug/L	97

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Quant Title : TRACE VOA SFAM1.0
QLast Update : Wed Jul 17 02:25:31 2024
Response via : Initial Calibration

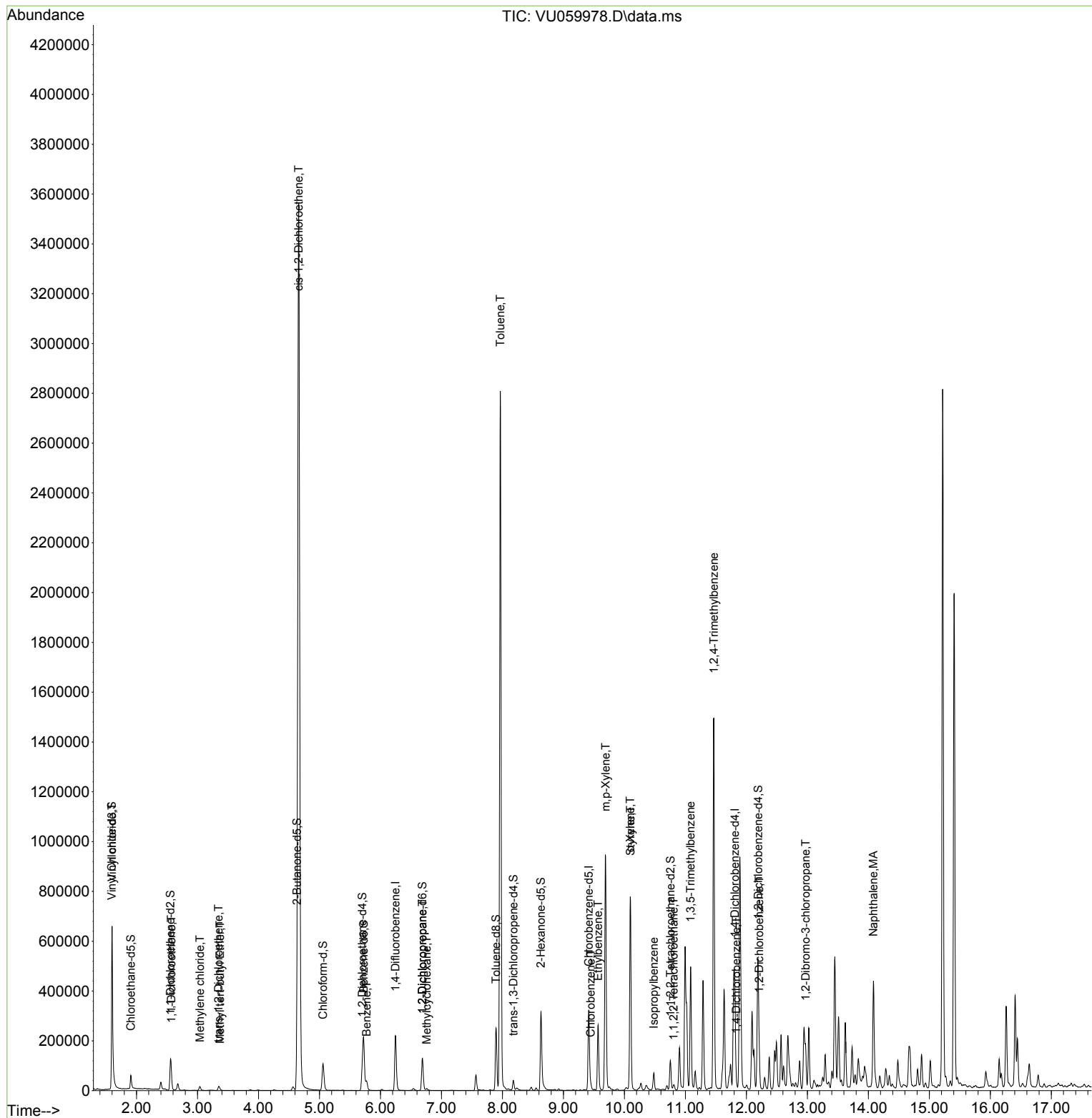
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
65) 1,4-Dichlorobenzene	11.836	146	6045	0.175	ug/L	95
67) 1,2-Dichlorobenzene	12.209	146	26902	0.851	ug/L	97
68) 1,2-Dibromo-3-chloropr...	12.971	75	765	0.397	ug/L #	6
71) Naphthalene	14.084	128	353782	12.959	ug/L	98

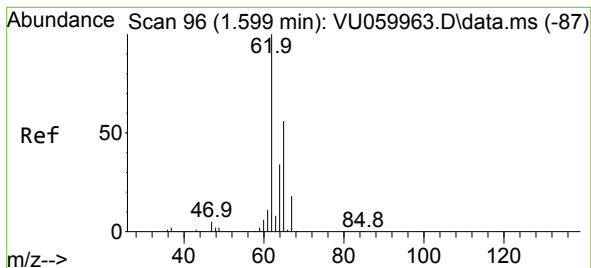
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#5

Vinyl chloride

Concen: 26.311 ug/L

RT: 1.599 min Scan# 90

Delta R.T. -0.000 min

Lab File: VU059978.D

Acq: 16 Jul 2024 16:45

Instrument :

MSVOA_U

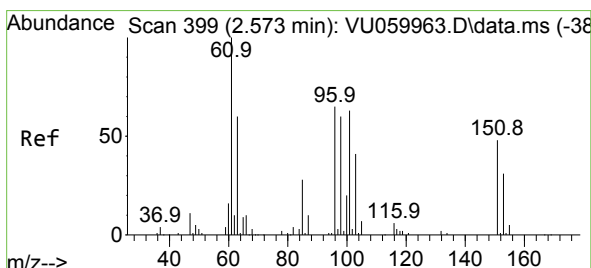
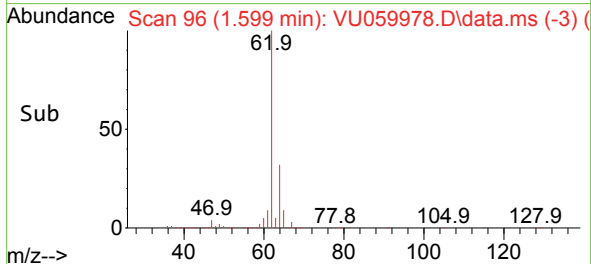
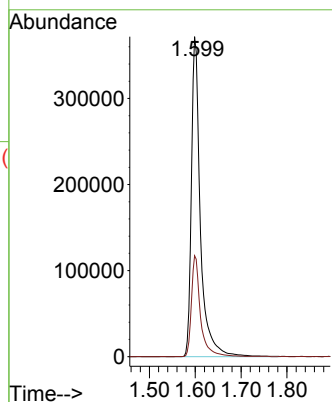
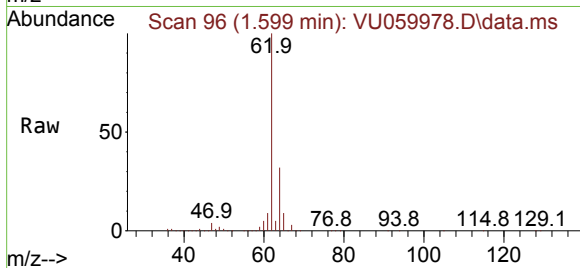
ClientSampleId :

Tgt Ion: 62 Resp: 507495

Ion Ratio Lower Upper

62 100

64 31.6 23.1 42.9



#12

1,1-Dichloroethene

Concen: 1.002 ug/L

RT: 2.570 min Scan# 398

Delta R.T. -0.003 min

Lab File: VU059978.D

Acq: 16 Jul 2024 16:45

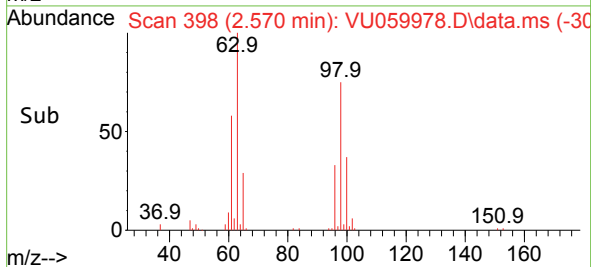
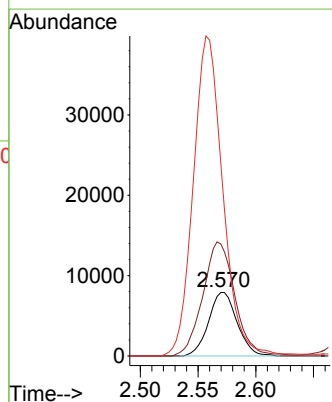
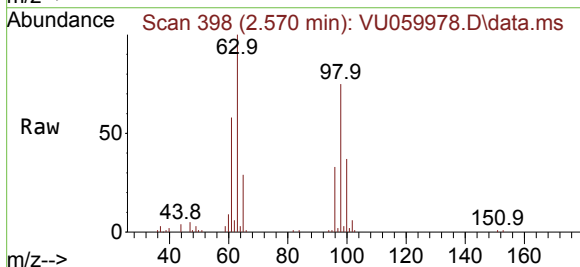
Tgt Ion: 96 Resp: 13600

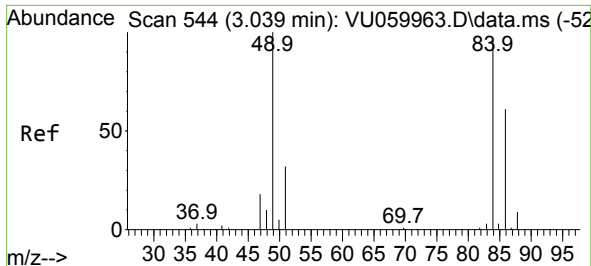
Ion Ratio Lower Upper

96 100

61 176.3 122.9 228.3

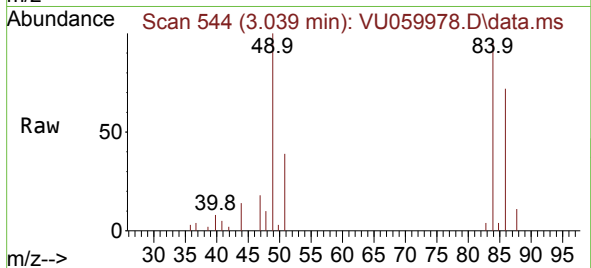
63 302.4 80.4 149.4#



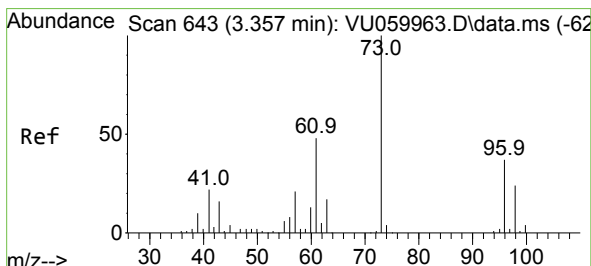
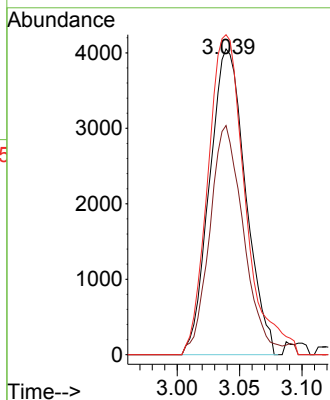
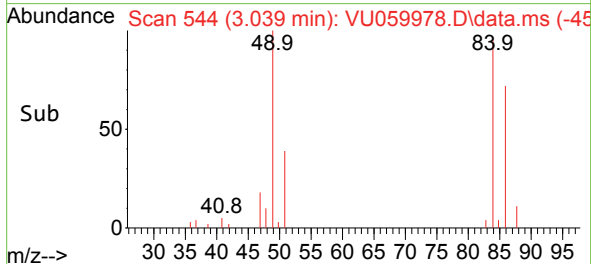


#16
Methylene chloride
Concen: 0.506 ug/L
RT: 3.039 min Scan# 544
Delta R.T. -0.000 min
Lab File: VU059978.D
Acq: 16 Jul 2024 16:45

Instrument :
MSVOA_U
ClientSampleId :

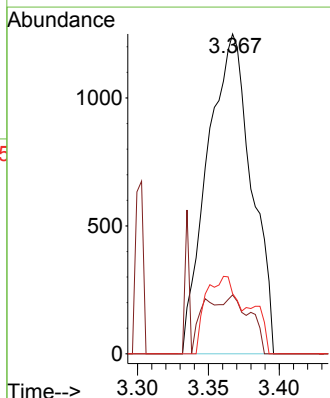
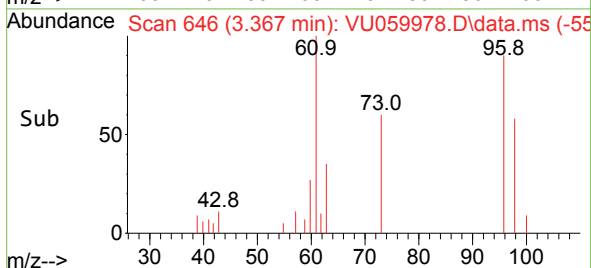
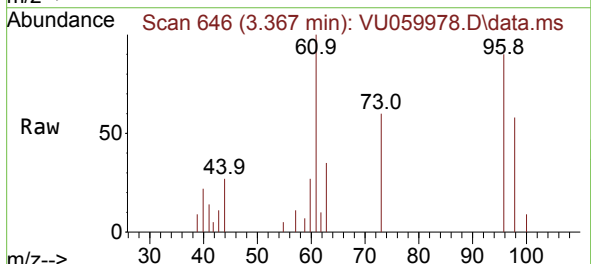


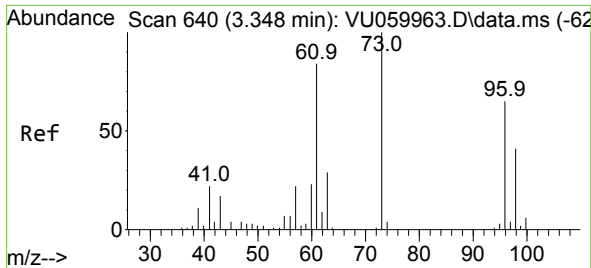
Tgt Ion: 84 Resp: 8135
Ion Ratio Lower Upper
84 100
86 74.9 42.1 78.1
49 107.5 80.6 149.8



#17
Methyl tert-butyl Ether
Concen: 0.092 ug/L
RT: 3.367 min Scan# 646
Delta R.T. 0.010 min
Lab File: VU059978.D
Acq: 16 Jul 2024 16:45

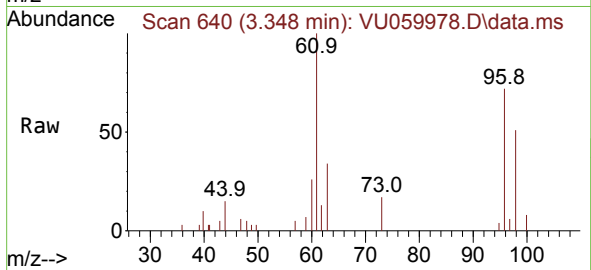
Tgt Ion: 73 Resp: 2697
Ion Ratio Lower Upper
73 100
43 9.9 14.9 22.3#
57 19.7 18.0 27.0



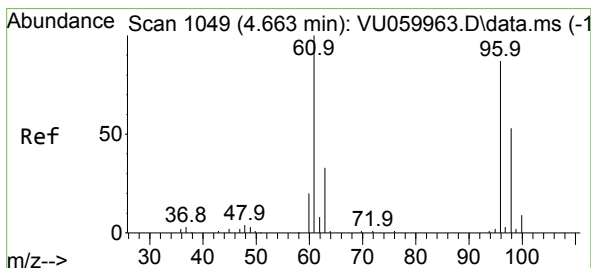
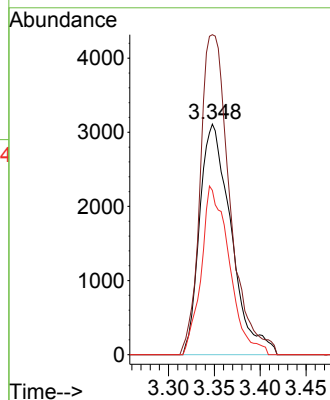
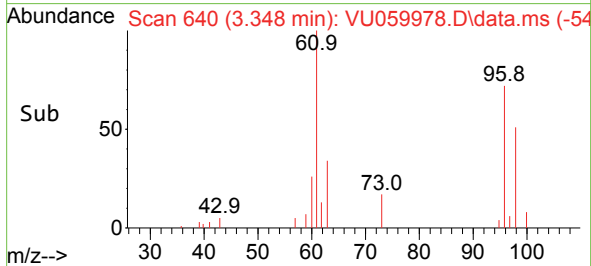


#18
trans-1,2-Dichloroethene
Concen: 0.524 ug/L
RT: 3.348 min Scan# 640
Delta R.T. -0.000 min
Lab File: VU059978.D
Acq: 16 Jul 2024 16:45

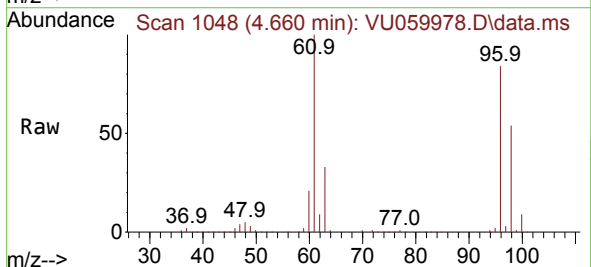
Instrument :
MSVOA_U
ClientSampleId :



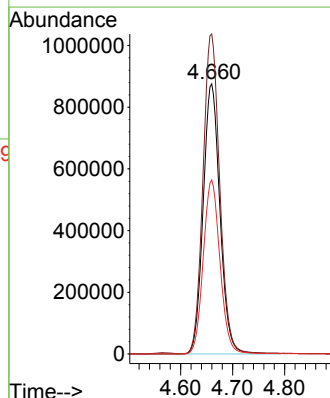
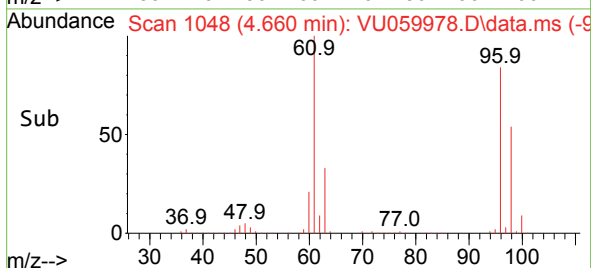
Tgt Ion: 96 Resp: 7398
Ion Ratio Lower Upper
96 100
61 138.8 101.8 189.0
98 71.3 43.3 80.5

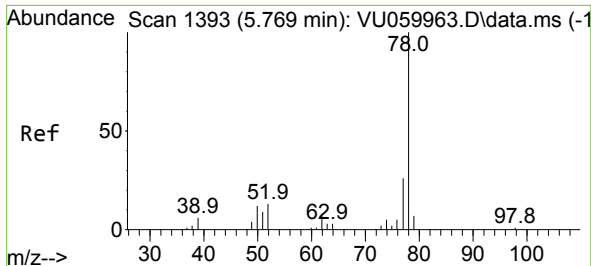


#22
cis-1,2-Dichloroethene
Concen: 126.157 ug/L
RT: 4.660 min Scan# 1048
Delta R.T. -0.003 min
Lab File: VU059978.D
Acq: 16 Jul 2024 16:45



Tgt Ion: 96 Resp: 1963748
Ion Ratio Lower Upper
96 100
61 118.5 87.4 162.2
98 64.4 42.3 78.5

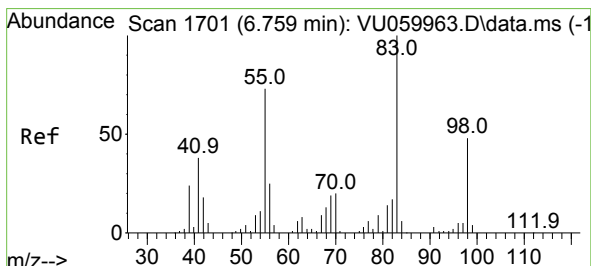
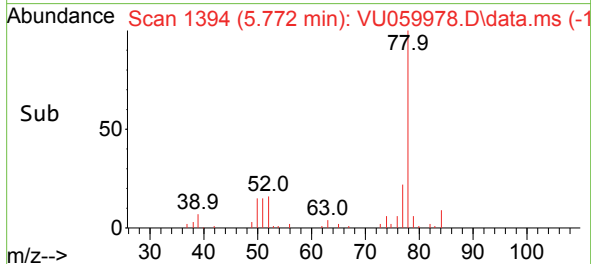
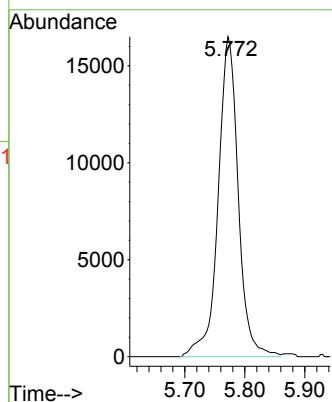
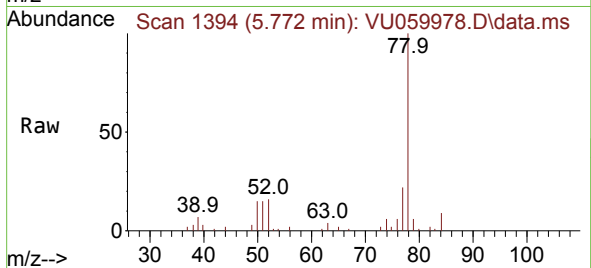




#33
Benzene
Concen: 0.663 ug/L
RT: 5.772 min Scan# 11
Delta R.T. 0.003 min
Lab File: VU059978.D
Acq: 16 Jul 2024 16:45

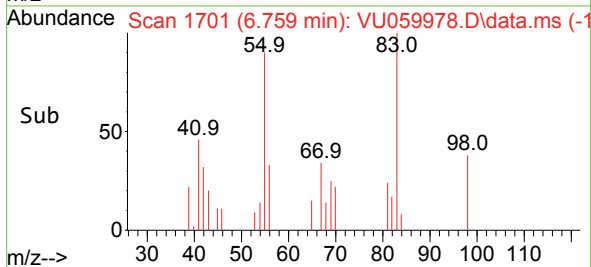
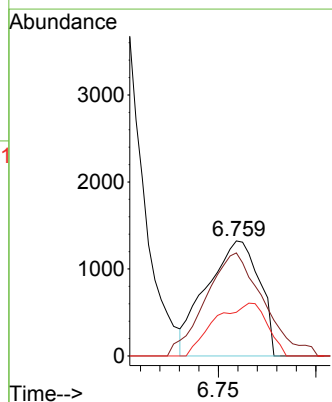
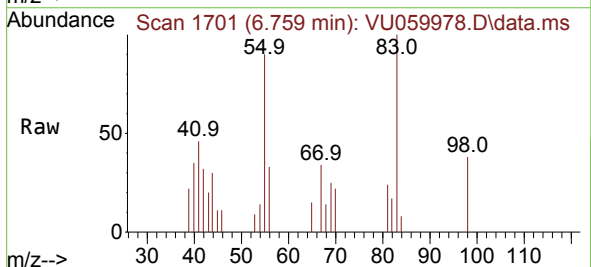
Instrument :
MSVOA_U
ClientSampleId :

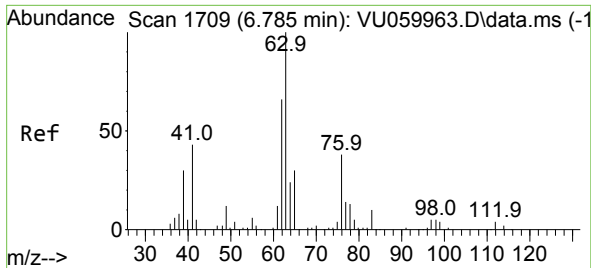
Tgt Ion: 78 Resp: 38320



#35
Methylcyclohexane
Concen: 0.111 ug/L
RT: 6.759 min Scan# 1701
Delta R.T. -0.000 min
Lab File: VU059978.D
Acq: 16 Jul 2024 16:45

Tgt Ion: 83 Resp: 2481
Ion Ratio Lower Upper
83 100
55 97.9 62.7 94.1#
98 45.7 35.4 53.0





#37

1,2-Dichloropropane

Concen: 0.486 ug/L

RT: 6.688 min Scan# 1

Delta R.T. -0.097 min

Lab File: VU059978.D

Acq: 16 Jul 2024 16:45

Instrument :

MSVOA_U

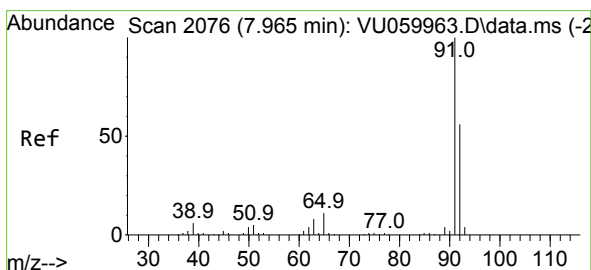
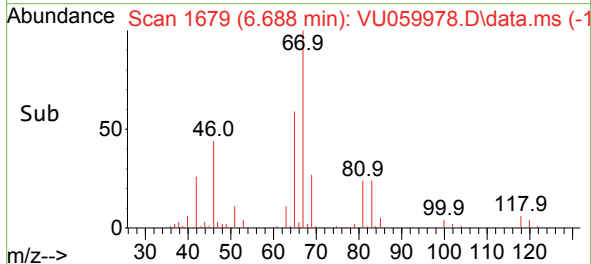
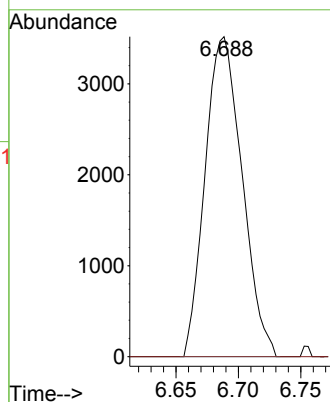
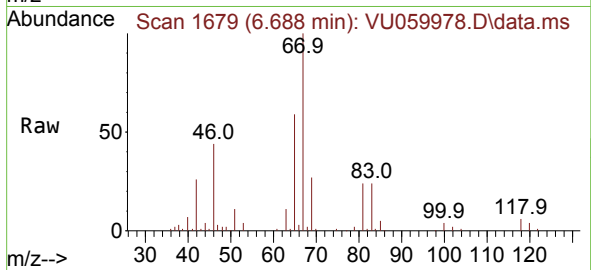
ClientSampleId :

Tgt Ion: 63 Resp: 7273

Ion Ratio Lower Upper

63 100

112 0.0 2.6 3.8#



#42

Toluene

Concen: 34.216 ug/L

RT: 7.965 min Scan# 2076

Delta R.T. -0.000 min

Lab File: VU059978.D

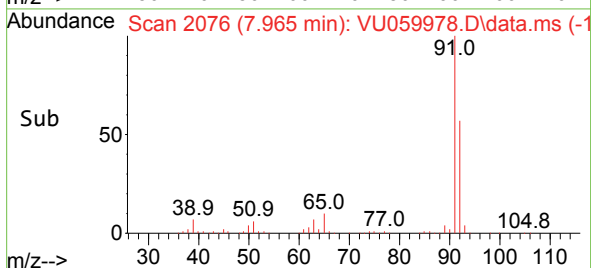
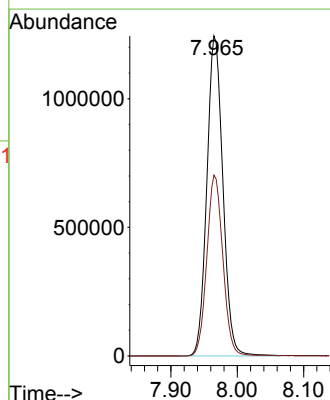
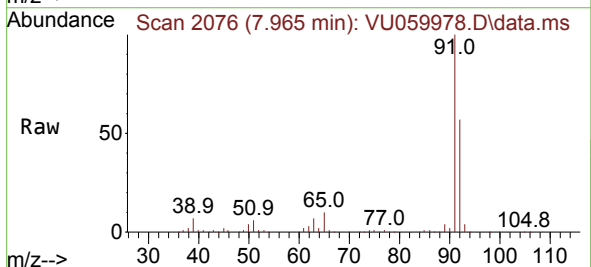
Acq: 16 Jul 2024 16:45

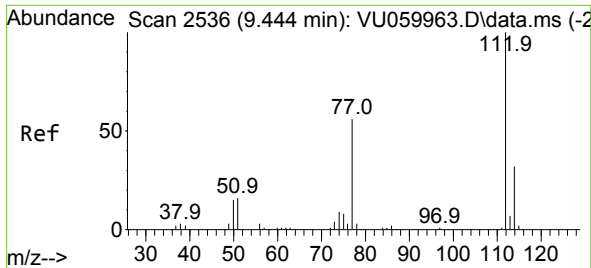
Tgt Ion: 91 Resp: 2093150

Ion Ratio Lower Upper

91 100

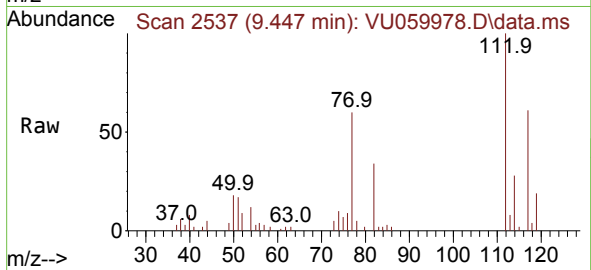
92 56.5 39.7 73.7



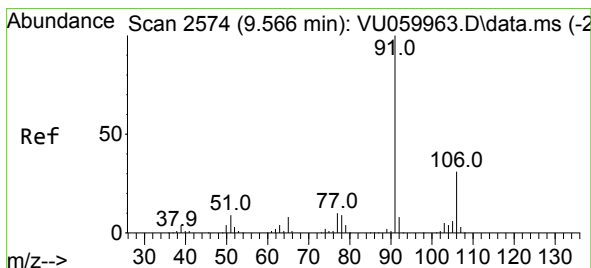
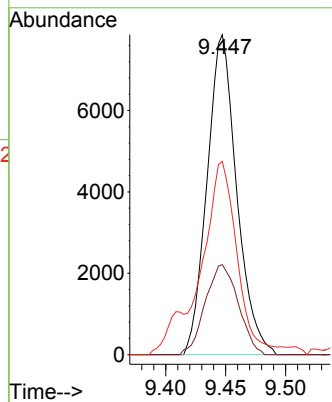
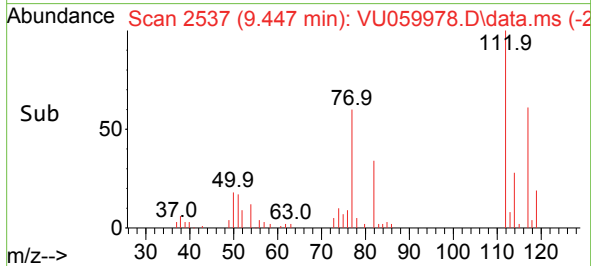


#51
Chlorobenzene
Concen: 0.348 ug/L
RT: 9.447 min Scan# 21
Delta R.T. 0.003 min
Lab File: VU059978.D
Acq: 16 Jul 2024 16:45

Instrument :
MSVOA_U
ClientSampleId :

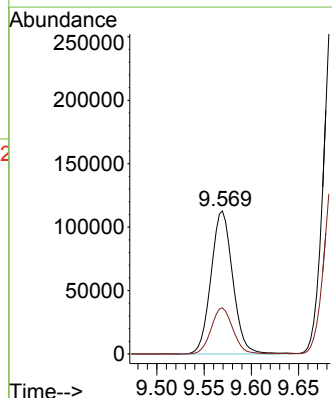
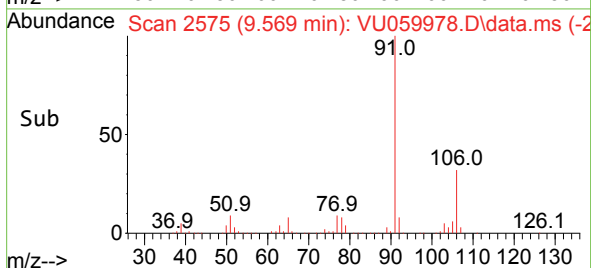
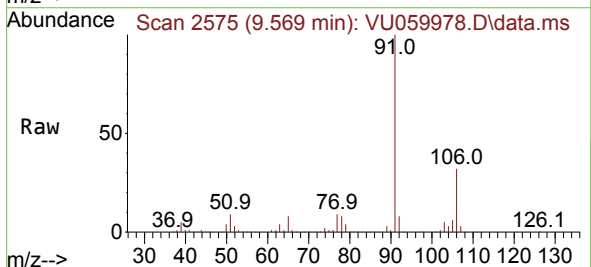


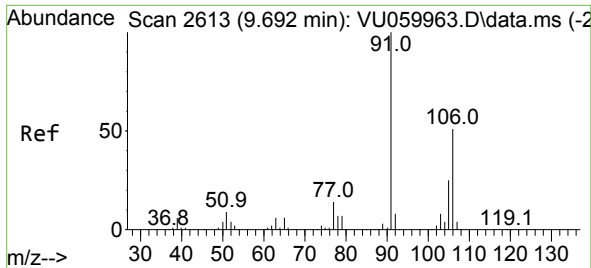
Tgt Ion:112 Resp: 13520
Ion Ratio Lower Upper
112 100
114 28.2 22.4 41.6
77 60.4 49.1 73.7



#52
Ethylbenzene
Concen: 2.872 ug/L
RT: 9.569 min Scan# 2575
Delta R.T. 0.003 min
Lab File: VU059978.D
Acq: 16 Jul 2024 16:45

Tgt Ion: 91 Resp: 180220
Ion Ratio Lower Upper
91 100
106 32.2 20.9 38.7

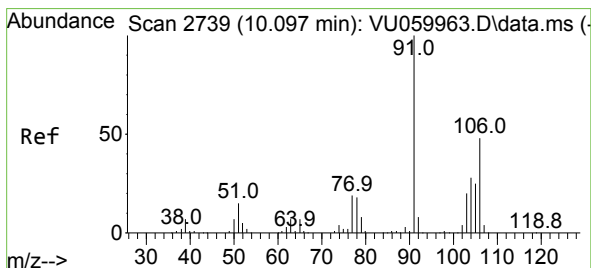
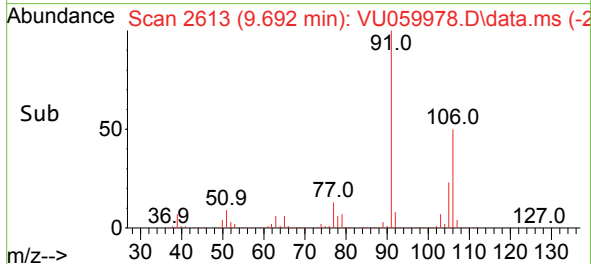
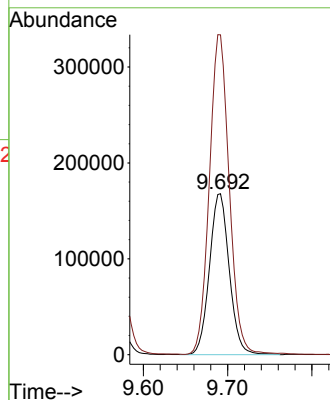
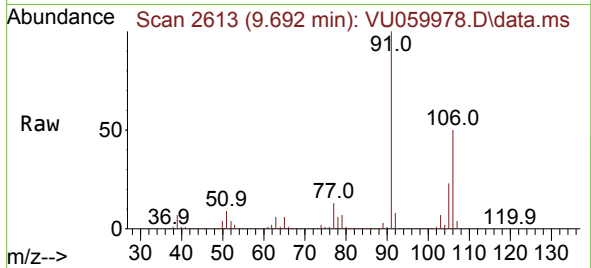




#53
m,p-Xylene
Concen: 11.375 ug/L
RT: 9.692 min Scan# 2613
Delta R.T. -0.000 min
Lab File: VU059978.D
Acq: 16 Jul 2024 16:45

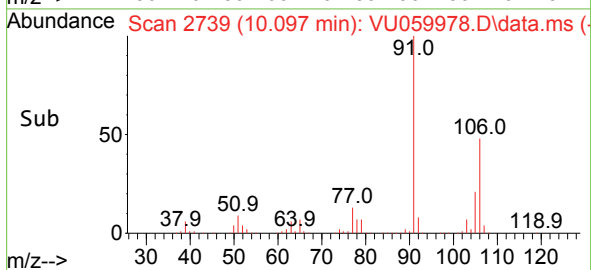
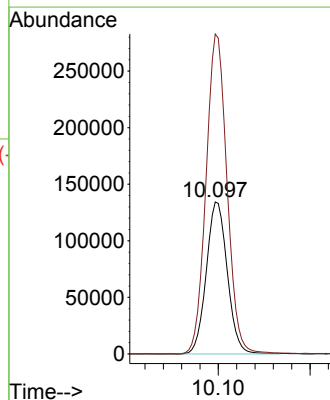
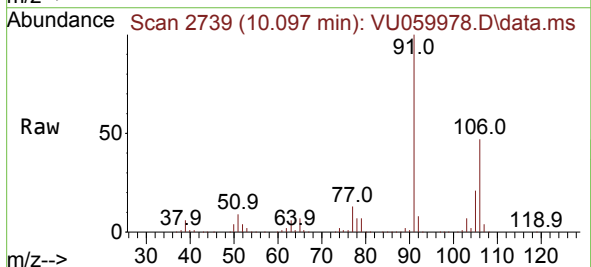
Instrument :
MSVOA_U
ClientSampleId :

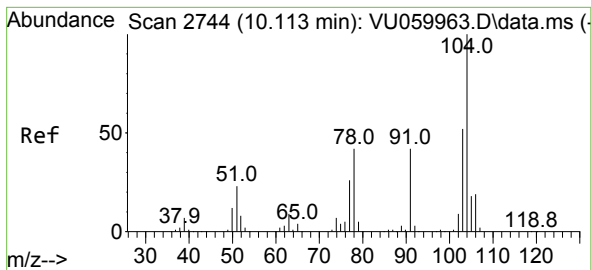
Tgt Ion:106 Resp: 274139
Ion Ratio Lower Upper
106 100
91 198.7 142.0 263.8



#54
o-Xylene
Concen: 9.332 ug/L
RT: 10.097 min Scan# 2739
Delta R.T. -0.000 min
Lab File: VU059978.D
Acq: 16 Jul 2024 16:45

Tgt Ion:106 Resp: 213450
Ion Ratio Lower Upper
106 100
91 210.5 151.6 281.6





#55

Styrene

Concen: 0.332 ug/L

RT: 10.100 min Scan# 21

Delta R.T. -0.013 min

Lab File: VU059978.D

Acq: 16 Jul 2024 16:45

Instrument :

MSVOA_U

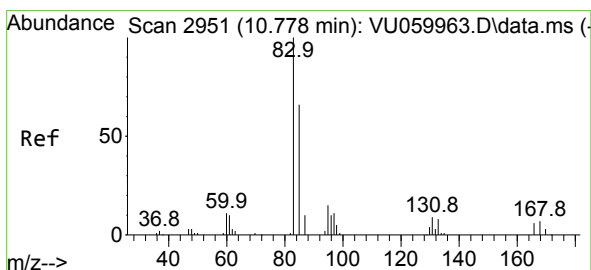
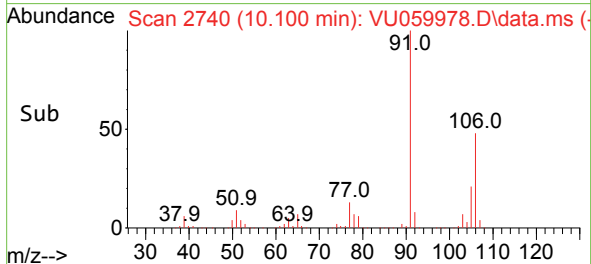
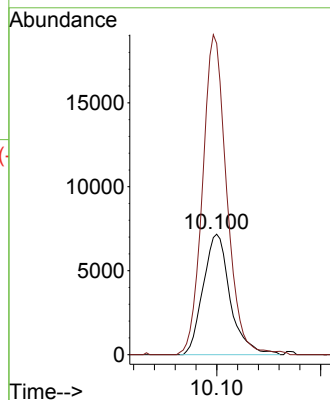
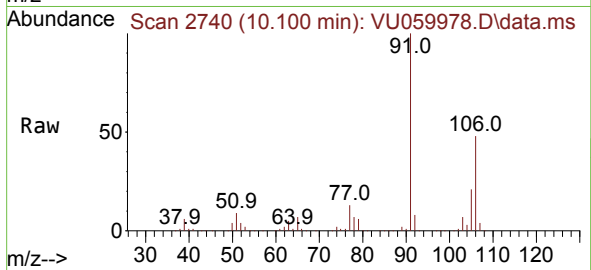
ClientSampleId :

Tgt Ion:104 Resp: 12944

Ion Ratio Lower Upper

104 100

78 258.1 32.3 60.1#



#57

1,1,2,2-Tetrachloroethane

Concen: 0.140 ug/L

RT: 10.807 min Scan# 2960

Delta R.T. 0.029 min

Lab File: VU059978.D

Acq: 16 Jul 2024 16:45

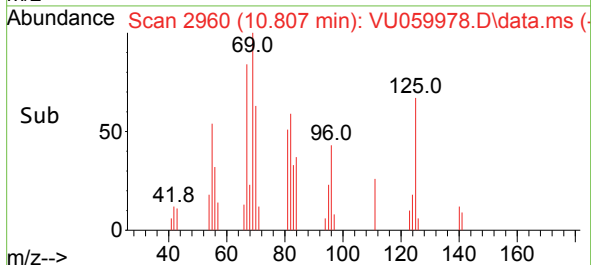
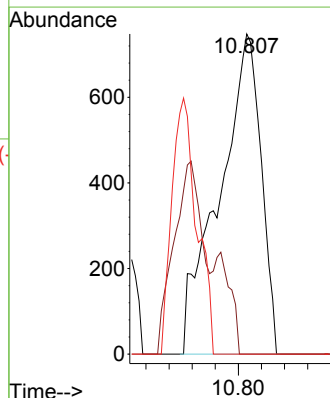
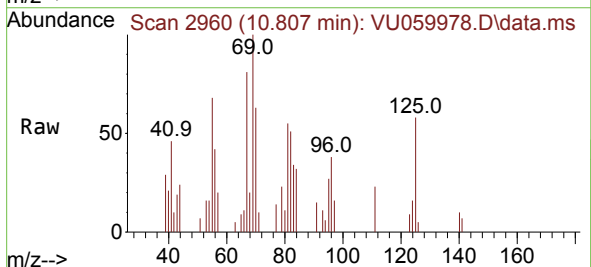
Tgt Ion: 83 Resp: 1872

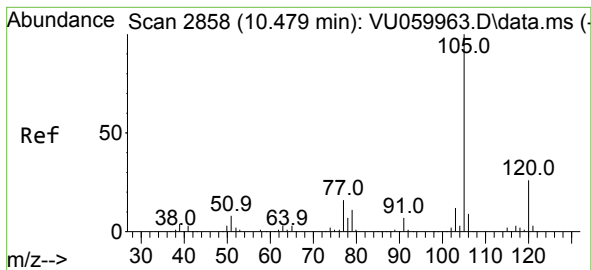
Ion Ratio Lower Upper

83 100

85 0.0 44.7 82.9#

131 0.0 6.9 10.3#





#60

Isopropylbenzene

Concen: 0.663 ug/L

RT: 10.483 min Scan# 2858

Delta R.T. 0.003 min

Lab File: VU059978.D

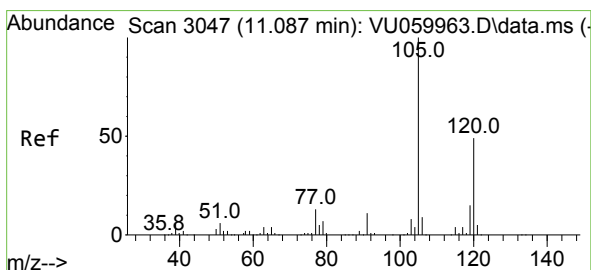
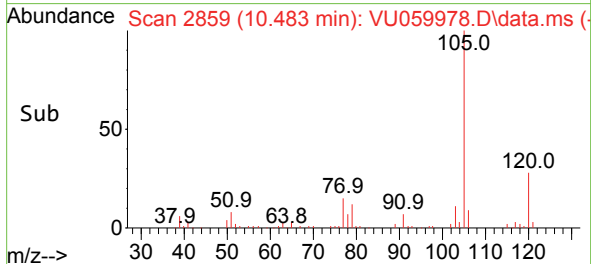
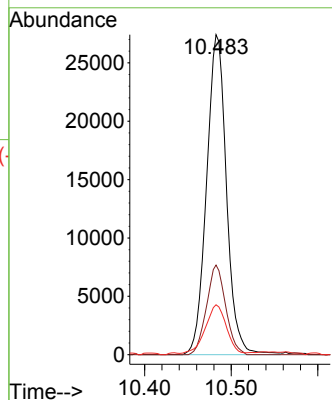
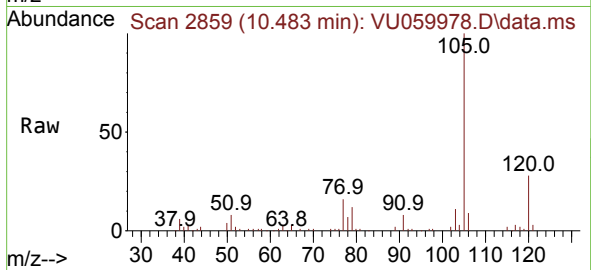
Acq: 16 Jul 2024 16:45

Instrument :

MSVOA_U

ClientSampleId :

Tgt Ion:105	Resp:	43760
Ion Ratio	Lower	Upper
105	100	
120	27.0	20.6 31.0
77	15.8	12.8 19.2



#62

1,3,5-Trimethylbenzene

Concen: 4.914 ug/L

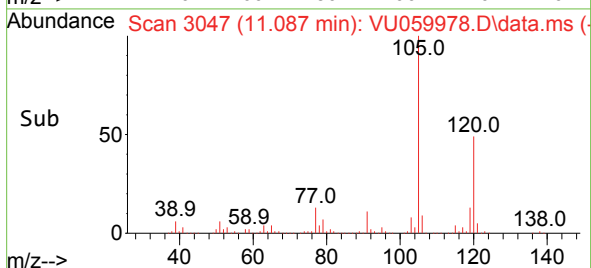
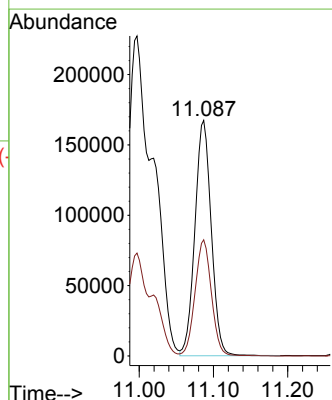
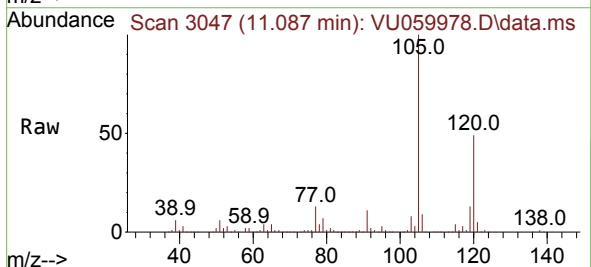
RT: 11.087 min Scan# 3047

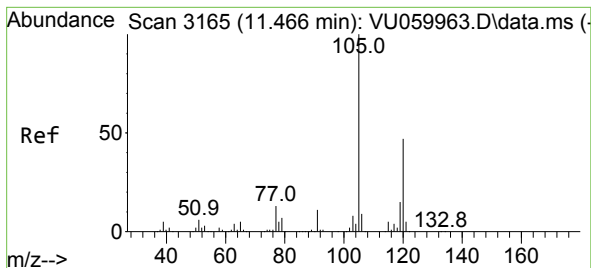
Delta R.T. -0.000 min

Lab File: VU059978.D

Acq: 16 Jul 2024 16:45

Tgt Ion:105	Resp:	257095
Ion Ratio	Lower	Upper
105	100	
120	48.7	38.2 57.4





#63

1,2,4-Trimethylbenzene

Concen: 16.178 ug/L

RT: 11.466 min Scan# 3165

Delta R.T. -0.000 min

Lab File: VU059978.D

Acq: 16 Jul 2024 16:45

Instrument :

MSVOA_U

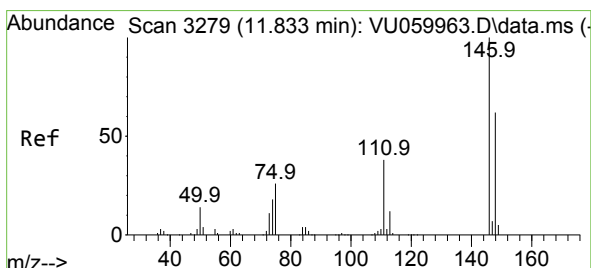
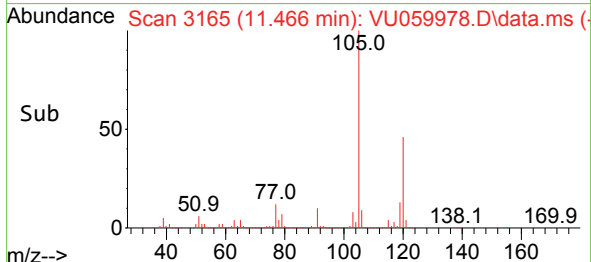
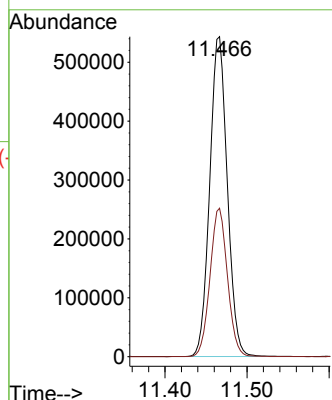
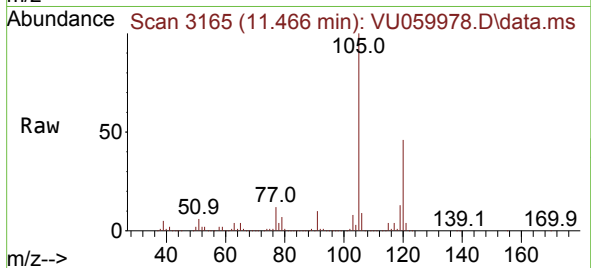
ClientSampleId :

Tgt Ion:105 Resp: 809205

Ion Ratio Lower Upper

105 100

120 46.0 35.4 53.0



#65

1,4-Dichlorobenzene

Concen: 0.175 ug/L

RT: 11.836 min Scan# 3280

Delta R.T. 0.003 min

Lab File: VU059978.D

Acq: 16 Jul 2024 16:45

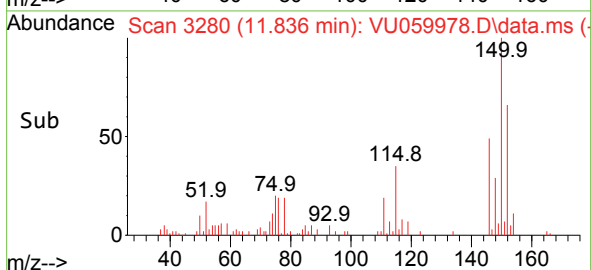
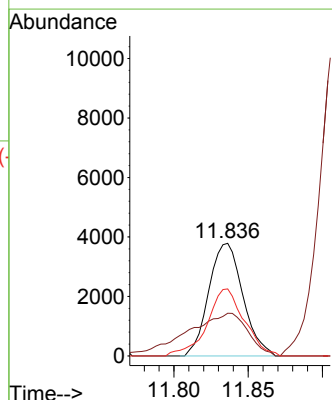
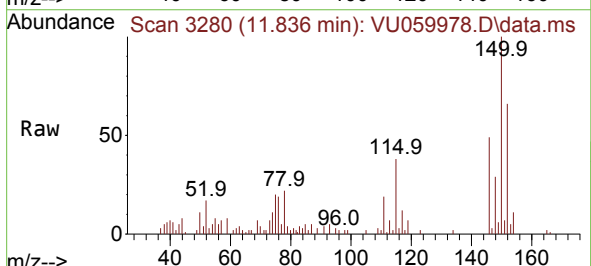
Tgt Ion:146 Resp: 6045

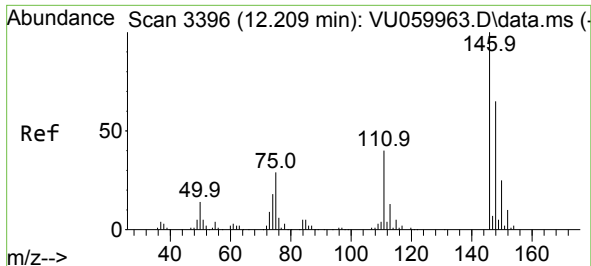
Ion Ratio Lower Upper

146 100

111 37.9 26.9 50.1

148 59.5 45.3 84.1





#67

1,2-Dichlorobenzene

Concen: 0.851 ug/L

RT: 12.209 min Scan# 31

Delta R.T. -0.000 min

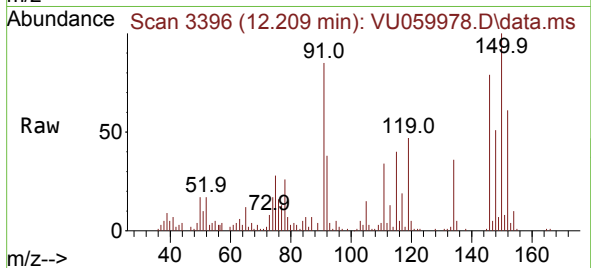
Lab File: VU059978.D

Acq: 16 Jul 2024 16:45

Instrument :

MSVOA_U

ClientSampleId :



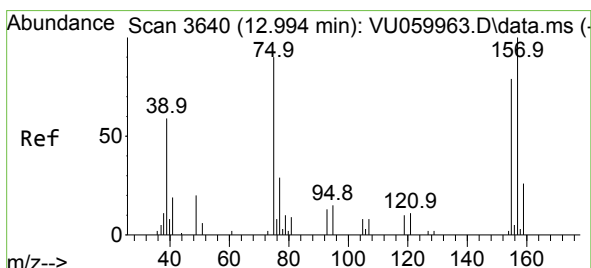
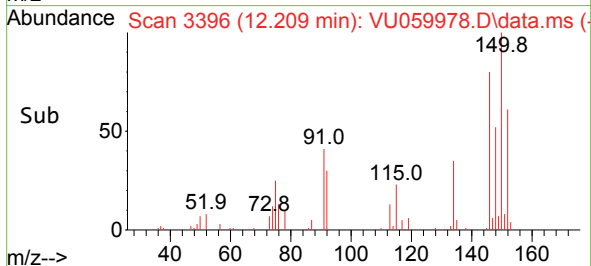
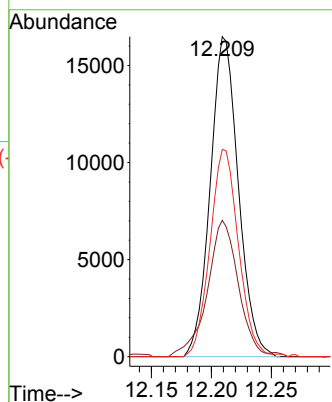
Tgt Ion:146 Resp: 26902

Ion Ratio Lower Upper

146 100

111 42.6 33.4 50.0

148 64.7 49.7 74.5



#68

1,2-Dibromo-3-chloropropane

Concen: 0.397 ug/L

RT: 12.971 min Scan# 3633

Delta R.T. -0.023 min

Lab File: VU059978.D

Acq: 16 Jul 2024 16:45

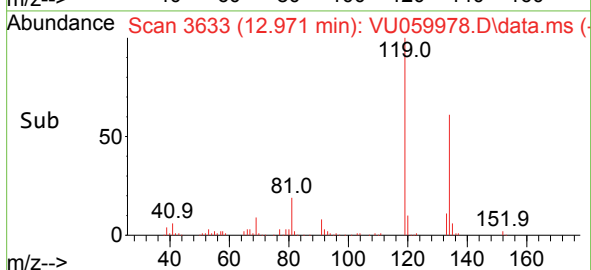
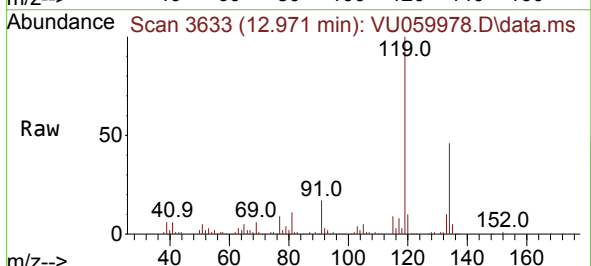
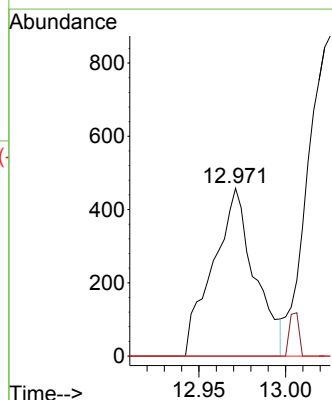
Tgt Ion: 75 Resp: 765

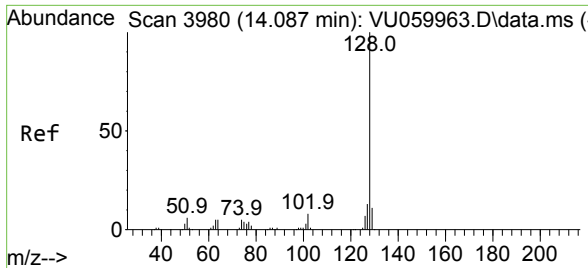
Ion Ratio Lower Upper

75 100

155 0.0 58.2 87.2#

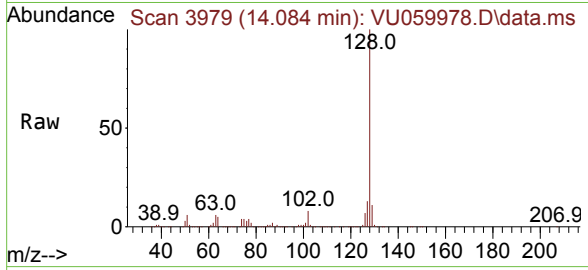
157 0.0 80.0 120.0#





#71
Naphthalene
Concen: 12.959 ug/L
RT: 14.084 min Scan# 3980
Delta R.T. -0.003 min
Lab File: VU059978.D
Acq: 16 Jul 2024 16:45

Instrument :
MSVOA_U
ClientSampleId :



Tgt Ion:	128	Resp:	353782
Ion	Ratio	Lower	Upper
128	100		
129	11.1	8.2	12.4
127	13.2	10.2	15.4

